HIGH Frequency Crystals

15 MHz–160 MHz

15– 66 MHz Shear Third Mechanical Overtone AT
61–110 MHz Shear Fifth Mechanical Overtone AT
111–140 MHz Shear Seventh Mechanical Overtone AT
141–160 MHz Shear Ninth Mechanical Overtone AT

Resistance (Maximum)
15– 66 MHz . . . . 40 Ohms
60–110 MHz . . . . 60 Ohms
110–140 MHz . . . . 80 Ohms
140–160 MHz . . . . 100 Ohms

Drive (Maximum)
2 Milliwatts

Shunt Capacitance
9 pf Maximum

Type Specifications

General Purpose (GP) crystals will be calibrated to within ±.01% of frequency when operated into the customers specified circuit load only. GP overtone crystals will hold temperature tolerance of ±.005% from −30° to 60°C.

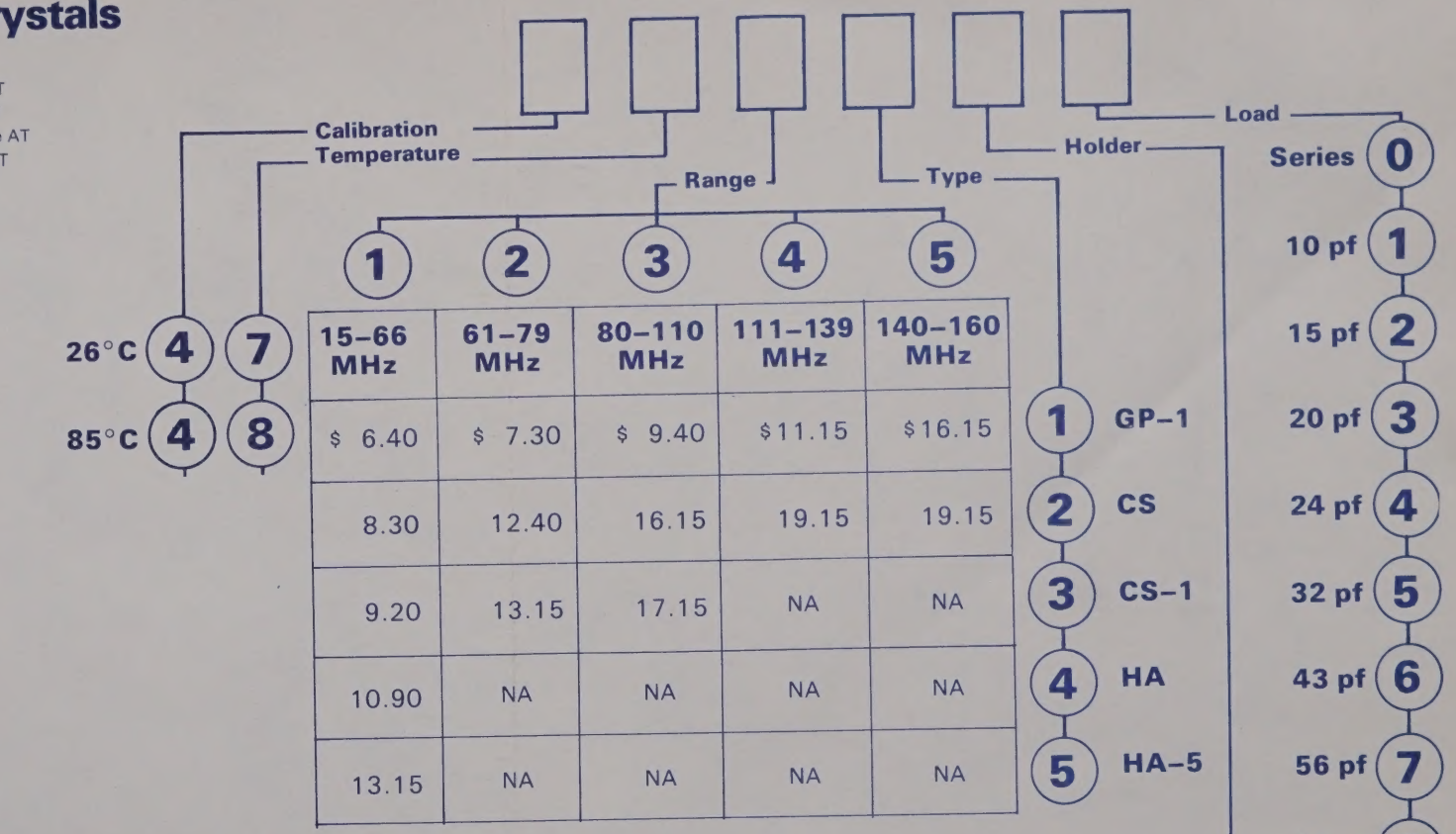
Commercial Standard (CS and CS–1) crystals will be calibrated to either .0025% (CS), or .001% (CS–1) as specified for operation in customer's load. CS crystals will hold temperature tolerance of ±.003% from −30° to 60°C.

High Accuracy (HA and HA–5) crystals are for use in circuits where tolerances better than ±.002% from −30° to 60°C are required. Tolerances of .0005% over the range −30° to 60°C will require circuit compensation. Without compensation, the range will be limited to −10° to 60°C. Compensators are not included with the crystals and tolerance is for crystals only and does not allow for any change in circuit parameters over the temperature range.

When ordering, specify the following for each crystal:
Quantity
Catalog Number
Crystal Frequency

The table ar right will enable you to convert the above information to the catalog number section of the M/S Order Card. The first two digits will relate to the calibration temperature, and the remaining four digits will relate to the crystal frequency, type, holder, and the circuit load, in this order.

Prices Effective February 1, 1978



15–66 MHz	61–79 MHz	80–110 MHz	111–139 MHz	140–160 MHz
$ 6.40	$ 7.30	$ 9.40	$11.15	$16.15
8.30	12.40	16.15	19.15	19.15
9.20	13.15	17.15	NA	NA
10.90	NA	NA	NA	NA
13.15	NA	NA	NA	NA

*Available in FM-1 and FM-2 above 20 MHZ